

MIRAGE CATALOG

VHF/UHF Solid State Amplifiers

MIRAGE . . . 160 Watts on 2 Meters!

Turn your mobile, base or handheld into 160 Watt powerhouses and talk further, longer, clearer . . . All modes: FM, SSB, CW . . . Superb GaAsFET preamp . . . Has exclusive Active-Bias™ system for crisp, clear voice in SSB mode . . . True push-pull circuitry and clean RF layout for excellent stability . . . Overdrive and high SWR protection . . . Remote controllable with RC-2 . . .

MIRAGE's most popular amplifier gives you 160 Watts of output power for just 25 W in from your base/mobile rig!

The B-2518-G is ideal for your 20 to 60 Watt 2 Meter mobile or base station.

You'll talk further, longer, clearer on all modes -- FM, SSB, CW -- hear weak signals better than you've ever heard before!

You get a low noise 20 dB GaAsFET preamp with an excellent 0.6 dB noise figure for pulling out weak signals.

B-2518-G is fully protected with features found in expensive commercial amplifiers.

High SWR or excessive input power can damage your amplifier. Protection circuits automatically bypass your amplifier to prevent damage and an LED lights to warn you.

Active-Bias™ gives crisp, clear voice in SSB mode!

New! An Active-Bias™ System keeps SSB voice crisp and clear for fantastic operation. Other amplifiers using conventional bias methods tend to produce splatter and distortion as power level changes. This amp with Active-Bias™ doesn't exhibit the problem.

The B-2518-G knows when you're transmitting and kicks in 160 Watts of power. Adjustable time delay gives

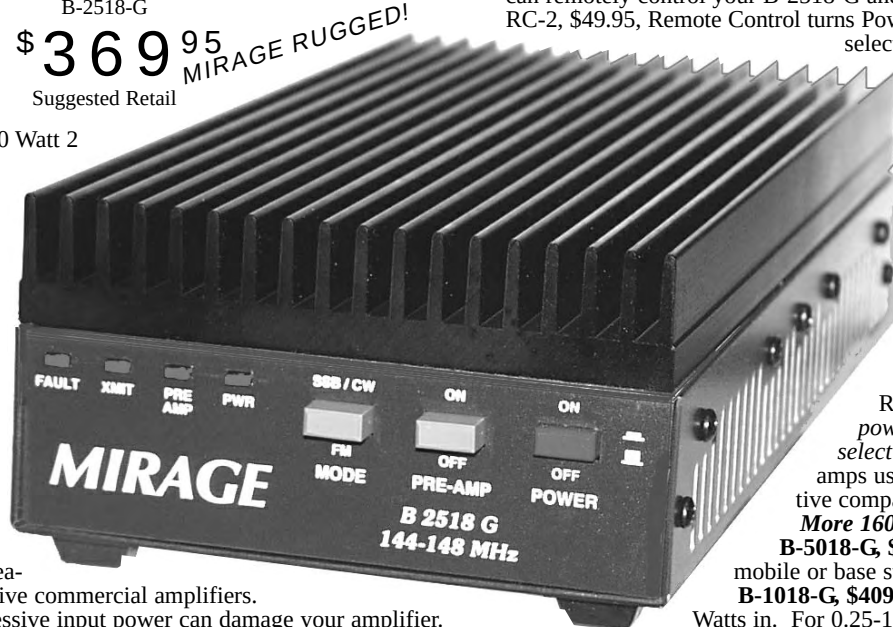
In Stock at Ham Dealers Everywhere!

B-2518-G

\$369⁹⁵

Suggested Retail

MIRAGE RUGGED!



you smooth transmit/receive switching. Remote external keying. You can remotely control your B-2518-G and place it out of the way. An RC-2, \$49.95, Remote Control turns Power on/off, Preamp On/Off and

select SSB/FM. Extra heavy duty custom heatsink spans the entire cabinet. Draws 17-22A from 13.8 VDC. Compact 12x3x5.5 inches.

Amp Remote Control



Remotely control your B-2518-G/B-5018-G/B-1018-G and place it out of the way. An RC-2, \$49.95,

Remote Control lets you turn power on/off, preamp on/off, select SSB/FM. Other Mirage amps use RC-1. Call Mirage for positive compatibility.

More 160 W, 2 Meter Amps

B-5018-G, \$369.95. For 20 to 60W

mobile or base stations. 160 W out for 50W in.

B-1018-G, \$409.95. 160 Watts out for 8 Watts in. For 0.25-15 Watt transceivers.

Power Curve -- typical output power in Watts

	25	50	140	150	160	160	--	--	--	--	--
B-1018-G											
B-2518-G	5	7	40	60	80	100	125	160	160	160	--
B-5018-G	--	2	15	25	40	50	70	100	130	160	--
Watts In	0.25	0.5	3	5	8	10	15	25	35	50	--

MIRAGE . . . 300 BruteForce™ Watts on 2 Meters!

B-5030-G
\$739⁹⁵
Suggested Retail

**MIRAGE
RUGGED!**



The MIRAGE B-5030-G gives you 300 Watts of brute power for 50 Watts input on all modes -- FM, SSB, or CW!

Ideal for 20 to 60 Watt 2 Meter mobile or base. **Power Curve** chart shows typical output power.

Hear weak signals -- low noise GaAsFET preamp gives you excellent 0.6 dB noise figure. Select 15 or 20 dB gain.

Heavy-duty heatsink spans entire length of cabinet -- prevents overheating. Power transistors protected by Mirage's **Therm-O-Guard™**.

Fully protected from high SWR and excessive input power. Has warning LED. Has smooth adjustable Transmit/Receive switching with remote external keying.

Draws 48 amps at 13.8 VDC. Measures 12x12x5 inches.

More 300 Watt 2 Meter Amplifiers . . .

B-2530-G, \$759.95. For 10 to 35 Watt mobile or base stations. 300 Watts for 25 Watts in.

B-1030-G, \$759.95. Mirage's most popular dual purpose HT or mobile/base amplifier. 300 Watts out for 10 Watts in. For 0.2-15 Watt transceivers. Use **RC-1, \$49.95**, Remote control

Power Curve -- typical Mirage B-5030-G output power

	--	--	--	55	150	220	300
B-5030-G							
B-2530-G	10	30	95	140	250	300	--
B-1030-G	30	80	225	270	300	--	--
Watts In	.5	1	3	5	10	25	50

MIRAGE . . . the world's most rugged VHF/UHF amplifiers!

MIRAGE . . . Dual Band 144/440 MHz Amp

Boost your dual band handheld to 45 Watts on 2 Meters or 35 Watts on 440 MHz . . . Automatic Band Selection . . . Single connector for dual band radios/antennas . . . Full Duplex operation . . . Reverse polarity protection . . . Mobile bracket . . .

NEW LOW PRICE!!! Get 50% more power on BD-35
2 Meters and 75% more on 440 MHz than our nearest competition -- for \$60 less than their list price!

\$199⁹⁵
Suggested Retail

Call your dealer for your best price!

- 45 Watts on 2 Meters / 35 Watts on 440 MHz
- Auto Band Selection • Works with all FM HTs
- Single Connectors for dual band radios and antennas • Small size: 5x1³/₄x5"
- Full Duplex Operation • Includes mobile bracket
- "On-Air" LEDs • Reverse Polarity Protection
- One year Mirage Warranty



Power Curve -- typical Mirage BD-35 output power

Watts Out (2 meters)	10	18	30	40	45	45	45	45+	45+	45+
Watts In (440 MHz)	4	10	16	26	32	35	35	35+	35+	35+
Watts In	.25	0.5	1	2	3	4	5	6	7	8

Add this Mirage dual band amp and boost your HT to 45 Watts on 2 Meters or 35 Watts on 440 MHz!

Your handheld becomes a powerful mobile or base when you need it. Turn "You're breaking up . . . Can't copy" into "Solid copy . . . Go ahead." Talk further . . . Reach distant repeaters . . . Log onto faraway packet bulletin boards.

Works with all FM handhelds up to 7 Watts. Power Curve chart shows typical output power for your input power.

Full Duplex Operation

Mirage's exclusive FullDuplexAmp™ lets you talk on one band and listen on the other band at the same time -- just like a telephone conversation! (Requires a compatible HT).

Mirage BD-35 gives you the most for your money! Here's why . . . Automatic frequency band selection -- you'll never forget to switch bands

. . . Single input connector and single output connector for both

bands -- easy to use with dual band radios and antennas

. . . First-class strip-line techniques -- superb RF performance and reliability

. . . Custom wrap-around heatsink -- provides excellent heat distribution

. . . Reverse Polarity Protection -- saves your amp if you connect power backward

. . . Automatic RF sense transmit/receive switch -- makes operation easy

. . . Low input SWR -- keeps your handheld safe from overheating

. . . "On Air" LEDs -- tell you which band is transmitting . . . Free mobile mounting bracket

. . . Small size: just 5x1³/₄x5 inches

. . . Full one year MIRAGE warranty

New SMA to BNC Adaptors

MFJ-7716, \$4.95 each. SMA female to BNC male.
MFJ-7718, \$4.95 each. SMA male to BNC female.
MFJ-7719, \$4.95 each. SMA male to SO-239 connector.

MIRAGE HT or Mobile amplifier for 2-Meters!

Use .25 to 10 Watt Handheld or 10 to 50 Watt Mobile Transceiver! Two amps in one! All modes: FM/SSB/CW 2-Meter Operation! Low Noise 15 dB GaAsFET preamp! Wrap-around Heatsink! Protection Modes!



MIRAGE's BruteForce™ dual purpose amplifier gives you 200 Watts of brutal power from your low power handheld or high power mobile transceiver!

It's really two amplifiers in one. A switch selects .25 to 10 Watt Handheld Amp or 10 to 50 Watt Mobile Amplifier. You can plug your HT into it at home, then carry it on the road with you for your mobile!

MIRAGE's exclusive LED PowerGRAPH™ indicates output power

B320-G and comes completely alive with 200 BruteForce™ Watts.

\$499⁹⁵
Suggested Retail

Get all mode FM/SSB/CW 2 Meter operation.

Low noise 15 dB GaAsFET preamp lets you dig out really weak stations and can be used even if your B-320-G is off. On/Off switch with "power on" LED.

Has SWR Protection with LED, RF sense Transmit/Receive Switch and Reverse Polarity Protection.

Wrap-around heatsink and quiet cooling fan gives excellent heat dissipation for cool operation in a super compact 7³/₄Wx2³/₄Hx9³/₄D inches that'll fit anywhere. Has Mirage's superb one year warranty that covers parts and labor for one full year.

Includes free mobile mounting brackets and free mobile patch cable.

Power Curve -- typical B-320-G output power

Watts Out Mobile Amp	1.5	4	32	95	165	186	193	200
Watts Out HT Amp	132	165	200	--	--	--	--	--
Watts In	.25	0.5	3	10	25	35	40	50

MIRAGE . . . 100 Watts . . . \$249⁹⁵!

Boost your 2-Meter HT or multimode to a super powerful 100 Watts . . . All modes: FM, SSB, CW . . . 15 dB GaAsFET receive preamp . . . Reverse polarity protection . . . silent cooling fan . . . free HT-to-amp coax and mobile bracket! Plus much, more!

**In stock at ham dealers everywhere!
Call your dealer for your best price!**

B-310-G
\$249⁹⁵
Suggested Retail

**MIRAGE
RUGGED!**



Power Curve -- typical Mirage B-310-G amplifier output power

Watts Out	25	50	75	95	100	100	100+	100+	100+
Watts In	.25	0.5	1	2	3	4	5	6	7

amp gives you 15 dB

For an incredibly low \$249.95, you can boost your 2-Meter handheld to a powerful 100 Watt mobile or base station!

Turn "You're breaking up . . . Can't copy" into "Solid copy . . . Go ahead."

Talk further . . . Reach distant repeaters . . . Log onto faraway packet bulletin boards.

This rugged Mirage B-310-G amplifier operates all modes: FM, SSB and CW. It's perfect for all handhelds up to 8 Watts and multi-mode SSB/CW/FM 2 Meter rigs.

Low Noise GaAsFET Preamp

A built-in low noise GaAsFET receive pre-

gain -- lets you dig out weak signals.

Fully Protected

SWR Protection prevents damage from antennas whipping in the wind. Reverse Polarity Protection can save your amp if you connect power backwards.

Compact but Powerful

Mirage's integrated HeatsinkCabinet™ and whisper quiet fan gets heat out fast!

The results? An ultra-compact 4³/₄ x 1³/₄ x 7³/₄ inch 2¹/₂ pound amplifier that delivers a super powerful 100 Watts. It'll get you through the most congested bands and snag a rare contact!

Free Accessories

Free 3 foot handheld to B-310-G coax cable -- just plug and play! **Free** mobile bracket! **Free** rubber mounting feet!

Plus More . . .

Automatic RF sense Transmit/Receive switch. Remote keying jack. LEDs monitor "On-Air", high SWR, pre-amp, power. Push buttons select SSB/FM, pre-amp, power. Draws 15 Amps at 12-15 VDC.

Full one year MIRAGE warranty

With MIRAGE's legendary ruggedness, you may never need our superb warranty.

MIRAGE . . . 35 Watts for handhelds

Add this Mirage amp to your 2-Meter handheld and get 35 Watts output . . . Talk further, longer, clearer . . . 18 dB GaAsFET preamp . . . All modes: FM, SSB, CW . . . Mobile bracket . . . Reverse Polarity Protection . . . Works with all handhelds . . .



B-34-G
\$129⁹⁵
Suggested Retail

For an incredibly low \$119⁹⁵, you can boost your 2-Meter HT to 35 Watts -- the power of a cost-

ly mobile transceiver!

Your handheld becomes a powerful mobile or base when you need it -- for a lot less money.

Turn "You're breaking up . . . can't copy you" into "Solid copy . . . go ahead."

Talk further . . . Reach distant repeaters . . . Log onto faraway packet bulletin boards.

This rugged Mirage amplifier operates all modes: FM, SSB, and CW. Unlike lesser FM only handheld amps, the B-34-G is

receive preamp gives you 18 dB gain -- lets you dig out weak signals. 5¹/₄ x 1³/₄ x 4³/₄ in.

Works with all handhelds up to 8 Watts. Power Curve chart shows typical output power for input power.

MIRAGE's B-34-G is the best handheld amplifier money can buy! **Here's why . . .**

First Class strip-line techniques and modular construction -- gives you superb RF performance and unsurpassed reliability.

Custom heatsink provides excellent heat distribution -- runs cool for extra long life.

Reverse Polarity Protection -- this Mirage feature can save your amp -- and your pride -- if you connect power backward.

Automatic RF sense transmit/receive switch -- makes operation easy. **Low** input SWR -- keeps your handheld safe from over-heating.

Individual pushbutton switches -- lets you select FM/SSB operation, receive preamp on/off and power on/off. **LED** indicators -- signal on-air, receive preamp on, power on.

Free mobile mounting bracket and mounting hardware. **Full** one year Mirage Warranty. Legendary Mirage ruggedness.

35 Watts, FM only . . . \$109⁹⁵

B-34, \$109⁹⁵. 35 Watts out for 2 in. Similar to B-34-G, but FM only. Less preamp, mobile bracket. 3¹/₄ x 1³/₄ x 4¹/₄" tiny -- fits anywhere!

Call your dealer for your best price! • 35 Watts Output • All modes: FM, SSB, CW • 18 dB GaAsFET Preamp • Reverse Polarity Protection • Free Mobile Bracket • Works with all HTs up to 8 Watts • Auto RF sense T/R switch

Power Curve -- typical Mirage B-34-G amplifier output power

Watts Out	8	12	18	30	33	35	35	35	35
Watts In	.25	0.5	1	2	3	4	5	6	7

perfect for both HTs and multi-mode 2 Meter rigs.

A built-in low noise GaAsFET

MIRAGE PREAMPLIFIERS - HF/VHF/UHF

KP-1
\$149⁹⁵
Suggested Retail



MODEL KP-1 In-Shack Model Features:

- A. KP-1/10M
 - B. KP-1/6M
 - C. KP-1/2M
 - D. KP-1/220MHz
 - E. KP-1/440MHz
- Automatic RF Switching
 - GaAsFET boosts weak receive signals
 - In-Line design for easy operation
 - High or Low switchable gain setting

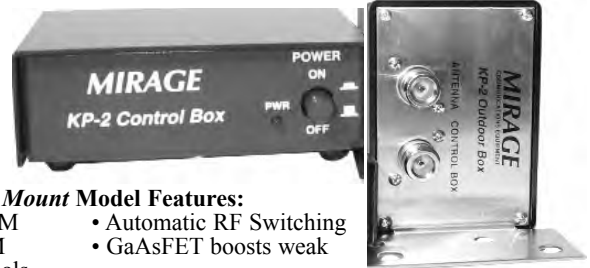
FREQUENCY

- A. 28-30 MHz
- B. 50-54 MHz
- C. 144-148 MHz
- D. 220-225 MHz
- E. 430-450 MHz

KP-1 In-Shack Model Features:

- Gain: from 15 dB to greater than 25 dB
- Noise: less than 0.6 dB
- Power Handling: 100 Watts
- Size: 4 1/4" W x 2 7/16" H x 1 3/16" D inches

KP-2
\$199⁹⁵
Suggested Retail



MODEL

KP-2 Mast Mount Model Features:

- A. KP-2/10M
 - B. KP-2/6M
 - C. KP-2/2M
 - D. KP-2/220MHz
 - E. KP-2/440MHz
- Automatic RF Switching
 - GaAsFET boosts weak receive signals
 - Mast Mounted design to reduce loss
 - In-Line design for easy operation
 - High or Low switchable gain setting

FREQUENCY

- A. 28-30 MHz
- B. 50-54 MHz
- C. 144-148 MHz
- D. 220-225 MHz
- E. 430-450 MHz

KP-2 Mast Mount Model Features:

- Gain: from 15 dB to greater than 25 dB
- Noise: less than 0.6 dB
- Power Handling: 100 Watts
- Voltage: 12-15 VDC
- Size: 4 1/4" W x 2 7/16" H x 1 3/16" D inches

MIRAGE ... 6 Meter Amplifier

Bust through 6 Meters with 150 Watts of brute power and work exotic DX!
Low Noise GaAsFET Preamp
MIRAGE RUGGED!
FCC TYPE ACCEPTED

A built-in low noise GaAsFET receive preamp gives you 20 dB gain -- lets you dig out weak signals and score exotic DX on sporadic E!

The A-1015-G is the world's most popular all mode FM/SSB/CW 6 Meter amplifier.

Bust through 6 Meters with 150 Watts of brute power and work exotic DX! Power Curve chart shows typical output power.

The A-1015-G is ideal for your 1 to 15 Watt transceiver, mobile or base station.

You'll talk further, longer and clearer on all modes -- FM, SSB or CW. Hear weak signals better than you've ever heard before. Get up to 150 powerful Watts!

Extra heavy-duty heatsink spans entire length of cabinet.

Draws 18-22 amps at 13.8 VDC. Weighs just 5 lbs., measures a compact 12x3x5.5 inches.

A-1015-G
\$389⁹⁵
Suggested Retail



Power Curve -- typical A-1015-G output power

Watts Out	6	22	42	63	84	98	122	142	150	150+
Watts In	.25	1	2	3	4	5	7	9	10	15

For your nearest MIRAGE dealer:

Call 800-647-1800

For Technical Information:

Call 662-323-8287

MIRAGE products are distributed by many fine MIRAGE dealers worldwide. For dealers in Canada and other countries, please contact MIRAGE, 300 Industrial Park Road, Starkville, Mississippi, USA. • **VOICE:** 662-

323-9715 • **FAX:** 662-323-6551 • **WEB SITE:** <http://www.mirageamp.com>

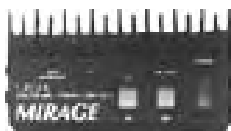
Technical Information MIRAGE, 300 Industrial Park Road, Starkville, MS 39759 USA.

Phone: 662-323-8287, FAX: 662-323-6551

Warranty Information MIRAGE amplifiers and accessories are warranted for (1) one year (parts and labor).

All prices and specifications are subject to change without notice or obligation. Catalog 09/08 (c) 2009 MIRAGE COMMUNICATIONS EQUIPMENT.

MIRAGE 1¹/₄ METER AMPLIFIERS --- 223-225 MHz



SPECS:

RF Power In:
RF Power Out:
Current/Volts:
Size:
Weight:

C-22-G
2W In - 20 W Out
\$169⁹⁵
Suggested Retail

100 mW to 5 Watts
20 Watts
5 Amps@13.8 Volts
3.5x2x7 inches
1.25 lbs.

C-106-G
10W In - 60 W Out
\$269⁹⁵
Suggested Retail

300 mW to 15 Watts
60 Watts
10-12 Amps@13.8 V
8x3x5.5 inches
3 lbs.

C-211-G
2W In - 110 W Out
\$369⁹⁵
Suggested Retail

300 mW to 4 Watts
110 Watts
25 Amps@13.8 V
12x3x5 inches
5 lbs.

C-1012-G
10W In-110 W Out
\$369⁹⁵
Suggested Retail

300 mW to 15 Watts
120 Watts
18-20 Amps@13.8 V
12x3x5.5 inches
5 lbs.



SPECS:

RF Power In:
RF Power Out:
Current/Volts:
Size:
Weight:

C-2512-G
25W In-120W Out
\$345⁹⁵
Suggested Retail

300 mW to 5 W
120 Watts
18Amps@13.8 Volts
12x3x5.5 inches
5 lbs.

C-5012-G
50W In-120W Out
\$364⁹⁵
Suggested Retail

35W to 55 W
120 Watts
18Amps@13.8 Volts
12x3x5.5 inches
5 lbs.

C-1022-G
10W In-220W Out
\$759⁹⁵
Suggested Retail

1 W to 10 W
220 Watts
48Amps@13.8 Volts
13x10x5 inches
13 lbs.

C-2522-G
25W In-220W Out
\$759⁹⁵
Suggested Retail

1 W to 30 W
220 Watts
48Amps@13.8 Volts
13x10x5 inches
13 lbs.

C-5022-G
50W In-220W Out
\$739⁹⁵
Suggested Retail

35 W to 55 W
220 Watts
48Amps@13.8 Volts
12x3x5.5 inches
13 lbs.

MIRAGE COMMERCIAL POWER AMPLIFIERS

VHF Commercial Amplifiers



PAC-10-70-B **\$299⁹⁵**
Suggested Retail 150-174 MHz
x4 MHz

*Designed
for
heavy duty
commercial
use!*



PAC-30-130-B **\$359⁹⁵**
Suggested Retail 150-174 MHz
x6 MHz

FEATURES:

- Over-temp Protection
- Heavy-duty heatsink, finned on 3 sides.

SPECIFICATIONS:

PAC-10-70B:

Power Out 70 Watts at 10 Watts in
Power In 1/2 to 15 Watts

PAC-30-130B:

Power Out 130 Watts at 30 watts in
Power In 10 to 30 Watts

Specs for both amps:

Frequency Coverage (Any 4 MHz)
150-174 MHz
VSWR Less than 1.5:1
Impedance 50 Ohms, nominal
Supply Voltage 13.8 VDC nominal
nominal (11-16 VDC)
Supply Current 8 Amps nominal
Connectors SO-239
RCA phono jack (remote control)
Service FM, multi-purpose

UHF Commercial Amplifier

PAC-15-100C
\$429⁹⁵
Suggested
Retail



FEATURES:

- Over-temp Sensing that Bypasses Amp when safe operating temperatures are exceeded.
- Heavy-duty heatsink, finned on 3 sides.

SPECIFICATIONS:

Power Out 100 Watts at 10 watts in
Power In 5 to 25 Watts
Frequency Coverage 450-475 MHz
VSWR Less than 1.5:1
450-470 Mhz in bypass mode
Impedance 50 Ohms, nominal
Supply Voltage 13.8 VDC nominal
nominal (11-16 VDC)
Supply Current 20-23 Amps
Connectors SO-239
RCA phono jack (remote control)
Size 2.375Hx7Wx10D in.
Service FM, multi-purpose

Commercial handheld Amp, 30 Watts Out... \$159⁹⁵

Mirage's B-34-GC is a two-way radio signal amplifier (or booster) designed for commercial mobile or fixed location use.

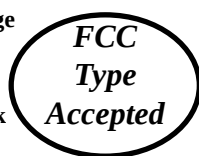
This amplifier is specifically designed to boost the range of low power (less than 3 Watts output) mobile or handheld two-way radios by increasing output power nearly ten times.

This unit also contains a receive signal booster that increases the signal level of incoming signals.

FEATURES:

- Output power of 15 to 30 Watts.

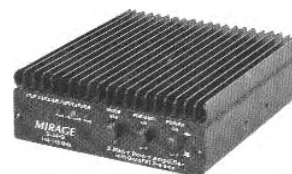
- Wide input power range (from 1/2 to 3 Watts).
- GaAsFET receive amplifier to boost reception of weak stations.



SPECIFICATIONS:

Frequency: 150-162 MHz
Duty Cycle: Intermittent (ICAS)
RF Input: 3 Watts Maximum
RF Output: 25 Watts TYPICAL
RF Connectors: SO-239 (2) UHF Female
Receive Preamp: 18 dB TYPICAL

B-34-GC
\$159⁹⁵
Suggested
Retail



Supply Voltage: 11-15 VDC
Negative Ground
Transmitting Current: Less than 4 Amps
Fuse: Fast Blow, 7 Amp
Input/Output Impedance: 50 Ohms
Warranty: 1 year parts and labor

MIRAGE REPEATER AMPLIFIERS - VHF/UHF

MIRAGE Repeater Amplifiers are designed for continuous duty service



250, 144 and 220 MHz Models FEATURES:

Cool Running - A 10" high by 19" wide full finned rack-mounted heatsink keeps the transistor temperatures low for long life. The chassis cover is perforated so air convection will keep the circuit board area cool.

Dual Protection - The amplifiers have two temperature sensors; one on the heatsink and one on the circuit board. If conditions cause either to overheat, the amplifier will shut off until it cools down to a safe temperature.

Bypass Mode - These models will feed the exciter output straight through to the antenna in an over-temperature condition. The bypass mode can also be remotely selected by proper interfacing to the repeater controller. Either a relay contact or a TTL logic can be used to select the bypass mode or amplified mode of operation.

Reduced Relay Wear - The amps have a selectable long release time (adjustable up to 5 seconds) for the RF change-over relay. This prevents unnecessary action during repeater operation.

On-site Control - The bypass mode and relay release time can be selected with built-in switches. The operational MIRAGE RC-1 remote control box can be used to switch these functions up to 18 feet away from the amplifier.

440 MHz and

ATV Models FEATURES

Cool Running - A 10" high by 19" wide full finned rack-mounted heatsink keeps the transistor temperatures low for long life. The chassis cover is perforated so air convection will keep the circuit board area cool. The RF board is low loss *Teflon*[®] for minimum dielectric heating.

Reliable - The RF change-over relay has been eliminated on this model to provide the highest order of reliability. *Teflon*[®] con-

Repeater Amp Specifications/Power Curve Chart

MHz Freq. Range	Model Number	Watts Power Input	Suggest Retail	Max cont Output (Watts)	Amps Nominal Current	Power Supply (VDC)	RF Connect
50-52	A1015R	.25-5	\$579 ⁹⁵	98	18-20	13.8	<i>Teflon</i> [®] SO-239
145-148	B1018R	.25-3	\$629 ⁹⁵	130	18-20	13.8	<i>Teflon</i> [®] SO-239
145-148	B2518R	0.5-10	\$599 ⁹⁵	111	16-18	13.8	<i>Teflon</i> [®] SO-239
223-225	C211R	.25-0.5	\$659 ⁹⁵	80	18-20	13.8	<i>Teflon</i> [®] SO-239
223-225	C1012R	.25-6	\$659 ⁹⁵	96	18-20	13.8	<i>Teflon</i> [®] SO-239
223-225	C2512R	.05-15	\$625 ⁹⁵	90	16-18	13.8	<i>Teflon</i> [®] SO-239
440-450	D1010NR	.25-4	\$719 ⁹⁵	80	15-16	13.8	<i>Teflon</i> [®] UG58AU
440-450	D3010NR	1-15	\$689 ⁹⁵	75	14-15	13.8	<i>Teflon</i> [®] UG58AU
420-450 ATV	D100-ATVNR	.25-1	\$689 ⁹⁵	52	14-15	13.8	<i>Teflon</i> [®] UG58AU
420-450 ATV	D1010-ATVNR	.25-4	\$689 ⁹⁵	80	16-18	13.8	<i>Teflon</i> [®] UG58AU

nectors are standard on this well-designed unit.

Protection - The amplifier will shut off if conditions cause the heatsink temperature to rise to an unsafe level of operation.

All Mode Operation - Class AB linear operation is rated for FM, SSB, CW and ATV operation.

1 YEAR WARRANTY ON ALL REPEATER AMPLIFIERS

Warranty - Mirage repeater amplifiers are guaranteed for one year against failure due to defective workmanship or materials.

MIRAGE SWR/Wattmeters - HF - VHF - UHF



Mirage precision SWR/Wattmeters read peak or average reading and SWR directly on an extra high quality meter movement. Doesn't require extra charts/graphs. Reads forward or reflected power, peak or average and SWR *at-a-glance*.

Mirage precision SWR/Wattmeters also feature negligible insertion loss, a remote coupler mounting, low battery indicator, and a large 5-inch easy-to-read meter. Line impedance is 50 Ohms. Requires 9-13.6 VDC or 9 Volt battery, not included.

Measures a compact

5³/₄Wx4¹/₂Hx5³/₄D inches. Weighs just 3.5 lbs. Four models to choose from: 1.8 to 30 MHz, 50 to 200 MHz, 420 to 450 MHz, and 1260 to 1300 MHz. Each has Mirage's superb one year parts and labor warranty.

SPECIFICATIONS:

MODEL Number:	Suggested Retail:	FREQ MHz:	SWR SENS:	POWER RANGE
MP-1	\$235 ⁹⁵	1.8 to 30	1-2 Watts	2000 W
MP-2	\$235 ⁹⁵	50 to 200	1-2 Watts	1500W
MP-3	\$265 ⁹⁵	420 - 450	5 Watts	150 W
MP-4	\$279 ⁹⁵	1260-1300	1 Watt	1/10/100

MIRAGE

Mirage's new MP-13 dual band VHF/UHF SWR/Wattmeter covers 140 to 525 MHz in 5, 20, and 200 Watt power ranges.

A large 2.6-inch precision illuminated meter makes for easy wide-angle viewing.

A highly visible black and red meter scale on a bright, white background makes it quick and easy to read SWR, forward or reflected power. Lamp requires 13.8 VDC or 110 VAC operation.

A functional and simple front panel layout lets you select power ranges, forward/reflected power or make SWR readings intuitively. Features a large SWR scale that

extends the full view of the meter. 3:1 SWR is centered at mid-scale to give you precision, wide-range measurements.

The MP-13 lets you read peak or average power or SWR, and forward or reflected power. Has convenient meter adjustment hole, and calibration knob on front panel.

The Mirage MP-13 is housed in an all metal cabinet with rubber feet and protected by a durable black paint. An attractive designer injection molded black front panel perfectly matches any transceiver and looks

MP-13
\$89⁹⁵
Ship Code A



expensive in any station.

Air dielectric SO-239 connectors with gold-plated silver pins gives superb performance to 525 MHz. **MP-13** is precisely factory calibrated for accurate measurements. Measures 6Wx2¹/₂Hx4D inches.

MIRAGE AMPLIFIER SPECIFICATIONS

Model Number	Input Power Range	Amps (Max) @13.8V	Wt lbs.	Size wxhxd inches	Pre Amp Gain	Retail Price	Typical Power Out for Watts In														
							.25	0.5	1	2	3	5	6	8	10	15	20	25	35	50	

6 Meters, 50-52 MHz

A-1015-G	.25-15	22	5	12x3x6	20dB	389.95	6	10	22	42	63	98	115	133	150	150+	—	—	—	—
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2 Meters, 144-148 MHz

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B-34	.25-8	4	2 1/2	3x2x4	NO	99.95	8	12	18	30	33	35	35	35	--	--	--	--	--	--
B-34-G	.25-8	4	1/2	5x2x5	18dB	129.95	8	12	18	30	33	35	35	35	--	--	--	--	--	--
BD-35 (dual band)	.25-8	7	2 1/2	5x2x5	NO	199.95	10	18	30	40	45	45	45	45	--	--	--	--	--	--
B-310-G	.25-8	15	2 1/2	5x2x8	15dB	249.95	25	50	75	95	97	100	100	100	--	--	--	--	--	--
B-320-G (HT)	.25-50	25	5	8x3x10	15dB	499.95	132	165	175	190	200	--	--	--	--	--	--	--	--	--
B-320-G (mobile)	.25-50	25	5	8x3x10	15dB	499.95	1.5	4	10	24	32	48	64	82	95	135	148	165	186	200
B-1018-G	.25-15	25	5	12x3x6	20dB	409.95	25	50	80	110	140	150	160	160	160	--	--	--	--	--
B-2518-G	0.5-30	22	5	12x3x6	20dB	329.95	5	7	16	32	40	60	70	80	100	125	145	160	--	--
B-5018-G	1-60	22	5	12x3x6	20dB	329.95	--	2	5	9	15	25	35	40	50	70	85	100	130	160
B-1030-G	.5-20	48	15	13x10x5	20dB	759.95	--	--	30	80	177	225	270	286	300	300	300	300	--	--
B-2530-G	.5-35	48	15	13x10x5	20dB	739.95	3.5	10	30	63	95	140	160	205	250	272	300	300	--	--
B-5030-G	.5-60	48	15	13x10x5	20dB	739.95	--	--	10	17	29	55	65	90	150	180	200	220	260	300

1 1/4 Meters, 223-225 MHz

C-22-G	.1-5	5	1 1/4	4x2x7	20dB	169.95	3	6	10	20	30	36	--	--	--	--	--	--	--	--
C-211-G	.3-5	25	5	12x3x6	20dB	369.95	50	80	103	110	120	126	--	--	--	--	--	--	--	--
C-106-G	.3-15	12	3	8x3x6	20dB	269.95	3	5	11	23	34	46	51	57	60	60	--	--	--	--
C-1012-G	.3-15	20	5	12x3x6	20dB	369.95	6	10	15	34	51	83	95	108	120	--	--	--	--	--
C-2512-G	.3-40	18	5	12x3x6	20dB	345.95	--	.5	6	14	21	38	47	60	70	92	107	120	--	--
C-5012-G	.35-55	18	5	12x3x6	20dB	365.95	--	--	3	11	17	31	42	65	77	82	87	93	108	120
C-1022-G	.25-10	48	15	13x10x5	20dB	759.95	--	--	40	90	115	160	185	200	220	--	--	--	--	--
C-2522-G	.25-30	48	15	13x10x5	20dB	759.95	1.5	5	12	29	45	79	102	140	162	193	217	220	--	--
C-5022-G	.35-55	48	15	13x10x5	20dB	739.95	--	--	5	10	20	40	50	70	90	115	140	160	195	220

70 Centimeters, 420-450 MHz

D-26-N	.4-5	12	4	8x3x7	NO	299.95	17	34	51	60	60	60	--	--	--	--	--	--	--	--
BD-35 (dual band)	.25-8	7	2	5x2x5	NO	199.95	4	10	16	26	32	35	35	35	--	--	--	--	--	--
D-100ATVN	0.5-5	20	5	12x3x6	NO	449.95	15	32	52	--	--	--	--	--	--	--	--	--	--	--
D-1010N	.30-15	20	5	12x3x6	NO	419.95	5	16	28	53	73	85	90	100	110	--	--	--	--	--
D-1010-ATVN	1-15	20	5	12x3x6	NO	439.95	5	16	28	53	73	85	90	100	--	--	--	--	--	--
D-3010-N	5-45	20	5	12x3x6	NO	389.95	--	--	7	12	17	22	25	35	50	75	85	100	--	--

VHF/UHF Commercial Band Amplifiers

PAC-10-70-B	.25-10	8	4	3x7x8	NO	299.95	5	8	12	18	26	40	47	60	70	--	--	(150-174 MHz)	—
PAC-15-100-C	.25-15	23	5	3x7x10	NO	429.95	5	8	10	15	20	50	60	70	80	100	--	(450-475 MHz)	—
PAC-30-130-B	.25-30	8	5	12x3x6	NO	329.95	1	3	7	10	14	25	30	40	50	80	100	(150-174 MHz)	—

Mirage Repeater Amplifiers

A-1015-R, 6 Meters	.25-5	20	12	10x19	NO	579.95	6	10	22	42	63	98	--	--	--	--	--	--	--	--
B-1018-R, 2 Meters	.25-3	20	12	10x19	NO	629.95	15	30	60	100	130	--	--	--	--	--	--	--	--	--
B-2518-R, 2 Meters	0.5-10	18	12	10x19	NO	579.95	--	.5	11	24	35	56	69	91	111	--	--	--	--	--
D-1010-NR, 70 CM	.25-6	20	12	10x19	NO	689.95	5	16	28	53	73	--	--	--	--	--	--	--	--	--
D-3010-NR, 70 CM	0.5-15	18	12	10x19	NO	659.95	--	--	7	12	17	22	25	35	50	75	--	--	--	--
D-1010-ATVN-R ATV 70 CM	.25-4	18	12	10x19	NO	689.95	5	16	28	53	73	80	--	--	--	--	--	--	--	--

MIRAGE 70 cm AMPLIFIERS - 420-450 MHz - UHF

ALL UHF MODELS FEATURE . . .

- All-Mode FM, SSB, CW
- Adjustable Delay for SSB
- 50 Ohm Impedance (in/out)
- ATV Models Available
- Remote Control Outlet
- Voltage 13.8 vDC



D-26-N
2W In-60W Out
FEATURES
Special for ATV Service as
well as SSB and FM
1W in will
give 51W out
Excellent for HTs

D-1010-N
10W In-100W Out
FEATURES
430-450 MHz
SSB/FM
Can be modified
for ATV Service

D-3010-N
30W In-100W Out
FEATURES
430-450 MHz
SSB/FM

SPECIFICATIONS
RF POWER IN.
RF POWER OUT.
CURRENT.
SIZE.
WEIGHT.

\$299⁹⁵
Suggested Retail
400mW to 5 Watts
2 W in, 60 Watts out
12 Amps nominal
8.25"x2.5"x7"
4 lbs.

\$449⁹⁵
Suggested Retail
300mW to 15 Watts
10W in, 100 W out
20 Amps 12"x3"x5.5"
6 lbs.

\$419⁹⁵
Suggested Retail
5 W to 45 Watts
45W in, 100 W out
20 Amps
12"x3"x5.5"
4 lbs.

MIRAGE AMATEUR TELEVISION AMPLIFIERS, 420-450 MHz



D-1010-ATVN
10W In-52W Out
(ATV-AVG)
10W In-82W Out
(ATV-PEP)
10W In-100W Out
(SSB/FM)
420-450 MHz
\$469⁹⁵

D-100-ATVN
2W In-52W Out
(ATV-AVG)
2W In-82W Out
(ATV-PEP)
2W In-100W Out
(SSB/FM)
420-450 MHz
\$479⁹⁵

Specifically designed for Amateur Television

SPECIFICATIONS
RF POWER IN.
RF POWER OUT.
CURRENT.
SIZE.
WEIGHT.

D-1010-ATVN
1 Watt to 15 Watts
100W (SSB/FM) 52W (ATV)
20 Amps
12x3x5.5 inches
6 pounds

D-100-ATVN
500 mWatts to 5 Watts
52 Watts
20 Amps
12x3x5.5 inches
6 pounds

RC-1 - Remote Control Head Use with Most Models

RC-1
\$49⁹⁵

Suggested Retail



FEATURES

- Easy remote operation with most models
- Preamp on/off
- Switch for SSB/FM operation
- 18 foot cabling included - Available in long lengths with special order
- Size: 3 1/2"Wx2 3/4"Dx1 1/2"H inches
- Mod required for some models

•Compatible with all Mirage amps except for the following amplifiers: B-XX18-G, B-24-G, B-34, B-34-G, B-310-G, B-320-G, BD-25, BD-35, B-510-G, C-22-G, D-15-N, D-26-N, M-120-G, PAC-1070-B, PAC-15-100C, PAC-30-130-B.

MIRAGE COMMUNICATIONS EQUIPMENT
300 Industrial Park Road
Starkville, MS 39759 USA

Bulk Rate
U.S. Postage
PAID
Starkville, MS
39759
Permit No. 19

TO: